PATENT
0717-0465P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:	KUMATA, Kiyoshi et al	Conf.:	3865
Appl. No.:	09/846,297	Group:	2675
Filed:	May 2, 2001	Examiner:	CHANH NGUYEN
For:	OMNIAZIMUTHAL VISUAL SYSTEM		

L E T T E R

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 23, 2004

Sir:

Applicants submit herewith a partial translation of the Japanese Office Action dated June 7, 2004 issued in Japanese Patent Application No. 2000-152207, from which priority is claimed in the present application. This is a partial translation of a relevant portion describing the reference "Visual Navigation with Omnidirectional Image Sensor HyperOmni Vision" previously filed with the Information Disclosure Statement on July 9, 2004.

09/846,297

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By _____ #19382
Charles Gorenstein, #29,271

RWD
CG/RWD/ph
0717-0465P

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

Attachment(s)

SHUSAKU YAMAMOTO

U.S. Patent Application No.: 09/846,297

Partial translation of
Japanese Office Action dated June 7, 2004

Cited Reference 7 describes omniazimuthal imaging using a hyperbolic mirror in addition to a fish-eye lens, a spherical mirror, and a conical mirror, and converting into a panoramic image and an image viewed from a mirror focal point OM (see Cited Reference 7, page 702, left column, lines 8-14, Figures 9 and 10).